

# TOWN OF SCITUATE

Scituate High School | Tennis Courts Renovation

**Community Preservation Committee Meeting**  
March 20, 2023



**ACTIVITAS**  
landscape architecture | civil engineering

# Town of Scituate

Scituate High School | Tennis Courts Renovation



## AGENDA

1. Introduction
2. Existing Conditions
3. Proposed Site Plan
4. Cost Opinion
5. Post-Tension Concrete Construction
6. Questions and Comments



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The background of the entire page is a complex, light blue topographic map with white contour lines. The lines are irregular and dense, creating a textured, layered appearance. The text is centered horizontally and vertically on the page.

# EXISTING CONDITIONS

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Existing Conditions | Aerial Map



MULTI-SPORTS  
FIELD

JOHN D. REIDY, JR. FIELD

TRACK & FIELD

SITE

SCITULATE HIGH  
SCHOOL

SKATEPARK

GATES MIDDLE  
SCHOOL



# Existing Conditions | Site Analysis

SCITUATE HIGH SCHOOL

**LEGEND:**

- — — — — APPROXIMATE LIMIT OF WORK
- — — — — PARKING AREA
- — — — — ACTIVE RECREATION AREA
- 🏸 TENNIS COURTS
- Ⓢ SKATEPARK
- 🏃 TRACK & FIELD
- 🏀 BASKETBALL COURT
- ● ● ● ● CHAIN LINK FENCE

EXISTING PLAYER GATE ENTRANCE

VEHICULAR ACCESS



SHOT PUT TO REMAIN

FLAGPOLE TO REMAIN

SLOPE

EXISTING CHAIN LINK FENCE TO BE REMOVED

APPROXIMATE LIMIT OF WORK

SKATEPARK TO REMAIN



SUMMER WINDS

WINTER WINDS



Existing Conditions | Site Photos



MAJOR CRACKING  
IN SURFACING



LOCUS MAP

# Existing Conditions | Site Photos



TENNIS EQUIPMENT  
IN POOR CONDITION

TENNIS SURFACING  
IN POOR CONDITION

SLOPE IS OUT OF  
TOLERANCE



LOCUS MAP

Existing Conditions | Site Photos



LOCUS MAP

WALL TO BE REMOVED

WALL TO REMAIN



Existing Conditions | Site Photos



WALL TO REMAIN



WALL TO BE REMOVED AND REPLACED



SLOPE DOWN TO SKATEPARK



Existing Conditions | Site Photos



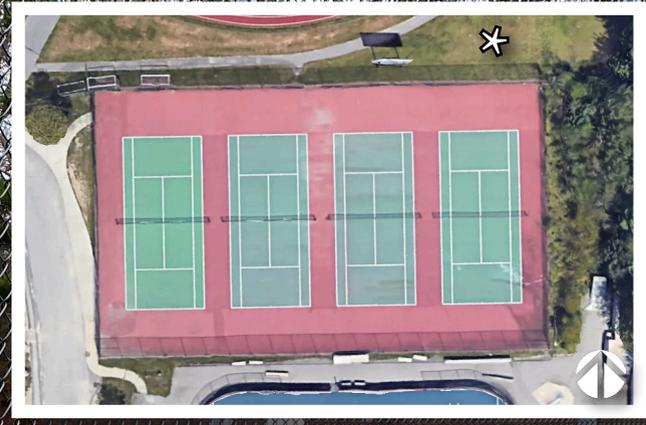
FLAGPOLE  
TO REMAIN



COMPACTED GRAVEL PAD FOR  
PROSTAIRS EQUIPMENT TO BE  
REMOVED AND RELOCATED



FLAGPOLE



LOCUS MAP

Existing Conditions | Site Photos

SURFACING CRACKED  
AROUND EDGES AND  
FENCE POSTS

PATCHES OF  
SURFACING AROUND  
BASE OF FENCE POSTS

GRASS INFILTRATING  
THE SURFACING

SURFACING CRACKED AROUND  
EDGES AND FENCE POSTS

FENCING IN POOR CONDITION



LOCUS MAP

The background of the entire page is a detailed topographic map. It features a complex network of white contour lines on a dark blue background, representing various elevations and terrain features. The lines are more densely packed in some areas, indicating steeper slopes, and more widely spaced in others, indicating flatter ground. The overall pattern is intricate and organic, typical of a natural landscape's topography.

# PROPOSED SITE PLAN

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# PROPOSED SITE PLAN

OPTION #2

CEMENT CONCRETE ENTRY PLAZA

5 COURT BATTERY POST-TENSION CONCRETE TENNIS COURT

10' HIGH CHAIN LINK FENCE

STORAGE UNIT

PLAYER GATES, TYPICAL BETWEEN COURTS

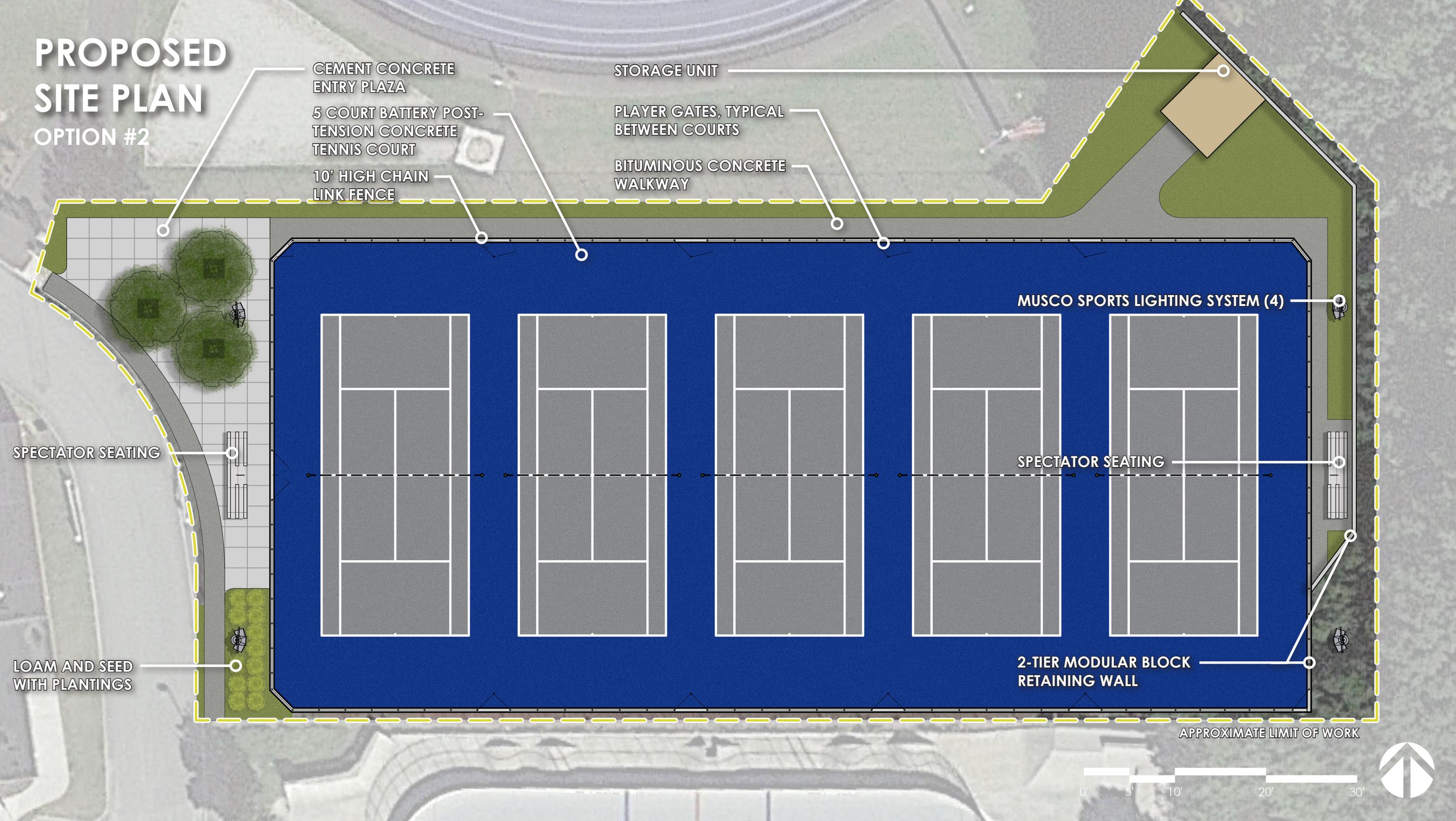
BITUMINOUS CONCRETE WALKWAY

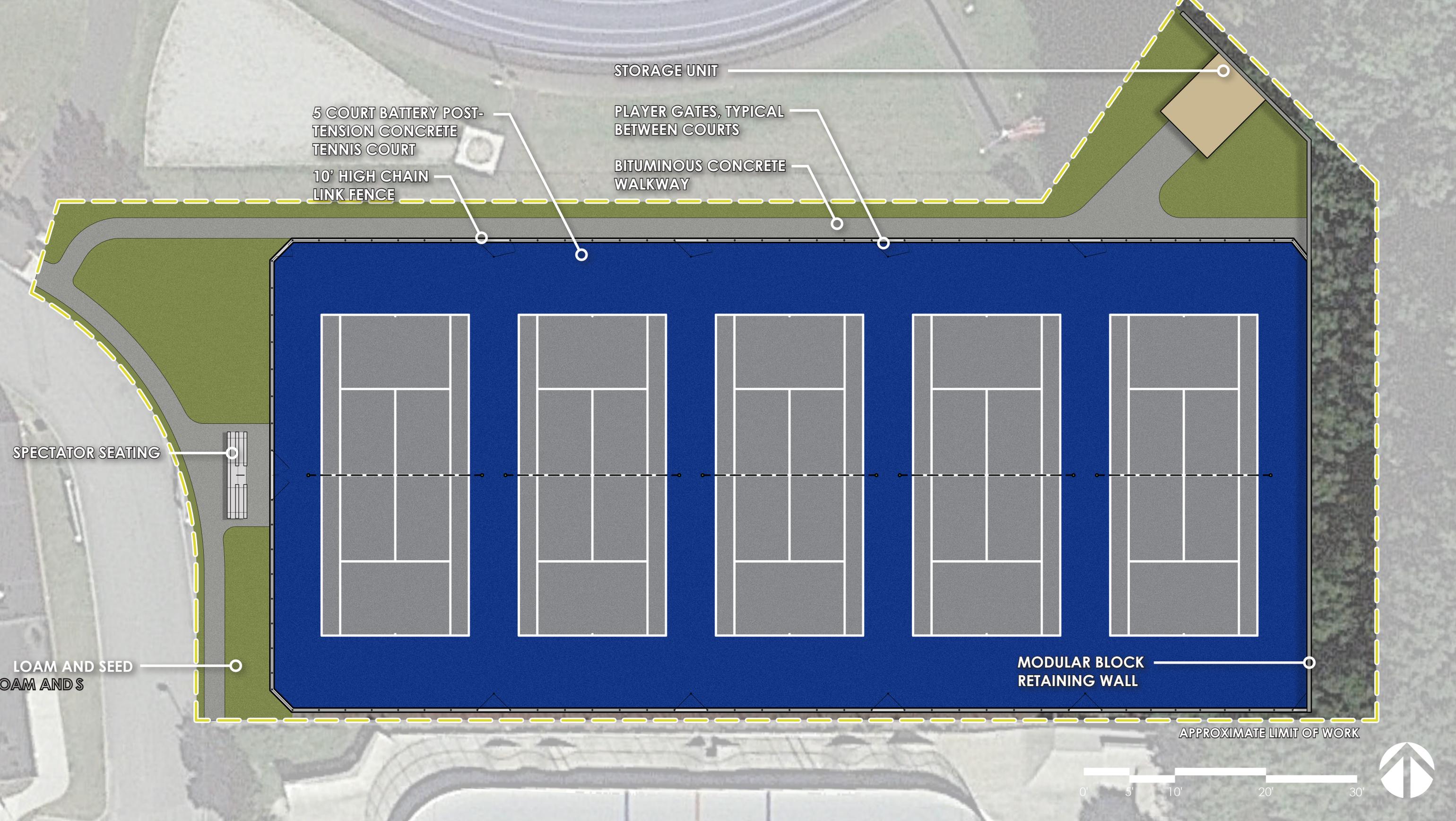
MUSCO SPORTS LIGHTING SYSTEM (4)

SPECTATOR SEATING

2-TIER MODULAR BLOCK RETAINING WALL

APPROXIMATE LIMIT OF WORK





STORAGE UNIT

5 COURT BATTERY POST-TENSION CONCRETE TENNIS COURT

PLAYER GATES, TYPICAL BETWEEN COURTS

BITUMINOUS CONCRETE WALKWAY

10' HIGH CHAIN LINK FENCE

SPECTATOR SEATING

LOAM AND SEED  
FOAM AND S

MODULAR BLOCK  
RETAINING WALL

APPROXIMATE LIMIT OF WORK



The background of the slide is a dark blue topographic map with white contour lines. The lines are irregular and dense, creating a complex, maze-like pattern. The text is centered horizontally and vertically on the map.

# **COST OPINION**

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**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS - OPTION #1**

MOBILIZATION AND SITE PREPARATION	\$60,440
EARTHWORK AND DRAINAGE IMPROVEMENTS	\$53,750
NEW TENNIS COURTS	\$633,925
LANDSCAPE IMPROVEMENTS	\$124,385

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CONSTRUCTION SUBTOTAL (INCLUDING GENERAL CONDITIONS, CONTRACTOR PROFIT AND PREVAILING WAGE UPCHARGE)	\$1,020,825
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10% CONTINGENCY	\$102,083
SOFT COSTS	\$102,083

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**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS** **\$1,224,990**

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ALTERNATE #1 - LIGHTING	\$307,913
ALTERNATE #2 - DEDUCT FOR ASPHALT COURTS	(\$394,363)
ALTERNATE #3 - CAST-IN-PLACE WALL	\$202,737

**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS - OPTION #2**

MOBILIZATION AND SITE PREPARATION	\$62,240
EARTHWORK AND DRAINAGE IMPROVEMENTS	\$78,125
NEW TENNIS COURTS	\$633,925
LANDSCAPE IMPROVEMENTS	\$187,091

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CONSTRUCTION SUBTOTAL (INCLUDING GENERAL CONDITIONS, CONTRACTOR PROFIT AND PREVAILING WAGE UPCHARGE)	\$1,124,816
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15% CONTINGENCY	\$168,722
SOFT COSTS	\$112,481

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**PRELIMINARY OPINION OF PROBABLE PROJECT COSTS** **\$1,406,020**

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ALTERNATE #1 - LIGHTING	\$307,913
ALTERNATE #2 - DEDUCT FOR ASPHALT COURTS	(\$394,363)
ALTERNATE #3 - CAST-IN-PLACE WALL	\$277,138

The background of the slide is a dark blue topographic map with white contour lines. The lines are irregular and dense, creating a complex, textured pattern that resembles a terrain map. The text is centered horizontally and vertically on the slide.

# POST-TENSION CONCRETE CONSTRUCTION

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## GENERAL PROCESS

Site Mobilization and Preparation / Erosion Controls

Fencing, Equipment, and Pavement Removals

Grading of Existing Subbase

Installation of Fence and Equipment Posts

Installation of Cabling

Pouring of Concrete

Stressing and Curing of Concrete

Court Surfacing

Fencing and Equipment Installation



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# QUESTIONS & COMMENTS

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